Accelerate delivery of your Modern Data Analytics Platform with the Adatis Framework

Data analytics is more relevant in today's business than ever but traditional data warehouse platforms are evolving. The demands placed on analytics platforms are to provide both the traditional, structured, standardised BI and to support new ways of analysing data based on agility, supporting rapid change and semi/unstructured data. To support this new form of advanced analytics, including machine learning, predictive and artificial intelligence, a new flexible, cloud-based platform is required.

Adatis' Microsoft Azure based Data Platform Framework is used extensively on client projects to under-pin and fast track the development of enterprise data platforms that satisfy their clients data analytics requirements. The Adatis Framework has been developed over may years based on industry best practice and is constantly updated and enhanced to make the most of technology enhancements released by Microsoft.
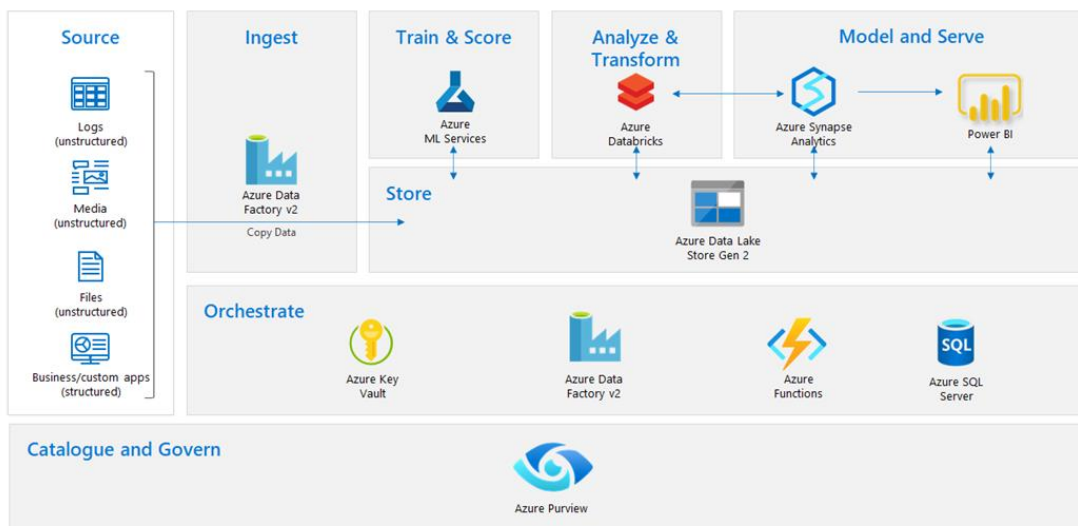
The Adatis Framework uses the advanced data transformation capabilities of the Microsoft Azure stack, including Azure Data Factory, Azure ML Services, Azure Databricks, and Azure Data Lake Store, to:

- Ingest data from multiple sources and file types
- Cleanse data and handle errors
- Track lineage and log activity
- Automate processes and generate code
- Manage costs and resource use

> *"With Adatis' knowledge of Microsoft Azure Data Analytics, for the first time we are able to instantly monitor, predict, troubleshoot and analyse in ways we would not believe possible before."*

How it works

The Adatis framework takes feeds from multiple source systems and, provides a technical framework and reference architecture for ingesting, preparing, shaping, integrating, and storing the data in a data lake

The Adatis framework brings many benefits to your team and your projects:

Proven: We've built and refined the framework over years of working with companies on their transformation initiatives.

Timesaving: By offering a single reference architecture, you don't have to create your own architecture.

Cost-effective: Rather than building out dedicated internal capability, our support adds instant extra resource to your team, exactly when you need it

Fast: The framework acts as an accelerator, using automation and tried-and-tested units of code to complete data ingestion and processing with less manual effort

Unified: Adatis utilise the same framework for building data platforms and warehouses, as well as application integration & data migration, reducing total cost of ownership and the related skills required

Specific functionality includes:

Data cleansing: A data cleansing framework that allows data quality and data cleansing rules to be configured and run in an automated fashion.

Lineage: Tracks the lineage of data from source system through to the final destination to support issue management and data compliance.

Error handling: Allows visibility and verbose error recording to assist with rapid issue resolution.

Logging: Logs all activity in the system to assist with support & maintenance and proactively manage the entire process.

Process automation: Provides automated management of the entire solution to aid deployment, support & maintenance.

Code generation: Provides the capability to generate code from meta-data to automate aspects of the ingestion and transformation process. Speeds up development and significantly reduces the impact of change.

Next Steps.

Adatis offer a targeted exercise to accelerate your journey to the Modern Analytics Platform. If you are interested in finding out more about transitioning to the Modern Analytics Platform, please contact the Analytics Team on +44 (0)1252 267 777 or via email at enquiries@adatis.co.uk.

Adatis offer professional services specialising in data analytics, from data management strategy and consultancy through to world class delivery and managed services.

With offices In London, Farnham and Sofia they have been delivering innovative and successful solutions for clients since 2006.

Data Science

Data as a Service

Modern Data Warehouse

Data Architecture

Data Analytics

Data Strategy

We love helping people unlock the power and value of their data.

If you are interested in finding out more please contact us on **+44 (0)1252 267 777** or via email at **enquiries@adatis.co.uk**

You can also check out our website at **www.adatis.co.uk** or come and see us at numerous global conferences and speaking events.

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